

CXXC5 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS14741**Specification**

CXXC5 Antibody (N-Terminus) - Product Information

Application	IF, WB, IHC
Primary Accession	O7LFL8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33kDa KDa

CXXC5 Antibody (N-Terminus) - Additional Information**Gene ID** 51523**Other Names**

CXXC-type zinc finger protein 5, CF5, Putative MAPK-activating protein PM08, Putative NF-kappa-B-activating protein 102, Retinoid-inducible nuclear factor, RINF, CXXC5

Target/Specificity

Human CXXC5. At least two isoforms of CXXC5 are known to exist. CXXC5 antibody is predicted to not cross-react with other CXXC protein family members.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

CXXC5 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CXXC5 Antibody (N-Terminus) - Protein Information**Name** CXXC5**Function**

May indirectly participate in activation of the NF-kappa-B and MAPK pathways. Acts as a mediator of BMP4-mediated modulation of canonical Wnt signaling activity in neural stem cells (By similarity). Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis. Transcription factor. Binds to the oxygen responsive element of COX4I2 and represses its transcription under hypoxia conditions (4% oxygen), as well as normoxia conditions (20% oxygen) (PubMed: <http://www.uniprot.org/citations/23303788> target="_blank">23303788). May repress COX4I2 transactivation induced by CHCHD2 and RBPJ (PubMed: <http://www.uniprot.org/citations/23303788> target="_blank">23303788). Binds preferentially to DNA containing cytidine-phosphate-guanosine (CpG) dinucleotides over CpH (H=A, T, and C), hemimethylated-CpG and hemimethylated-hydroxymethyl-CpG (PubMed: 29276034).

Cellular Location

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q5XIQ3} Note=Colocalizes with DVL1 in large bodies localized just outside the nuclear membrane. {ECO:0000250|UniProtKB:Q5XIQ3}

Volume

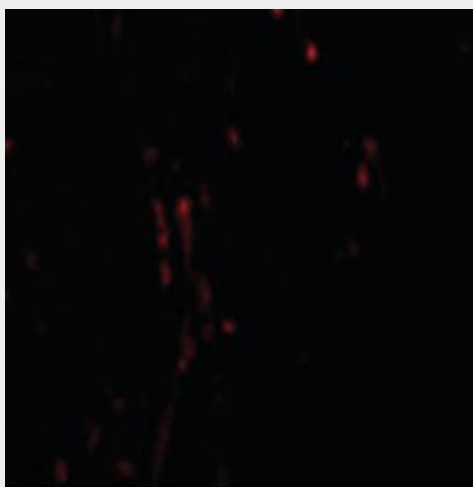
50 μ l

CXXC5 Antibody (N-Terminus) - Protocols

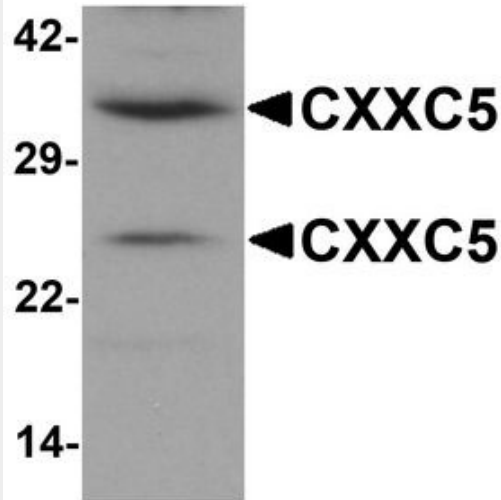
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

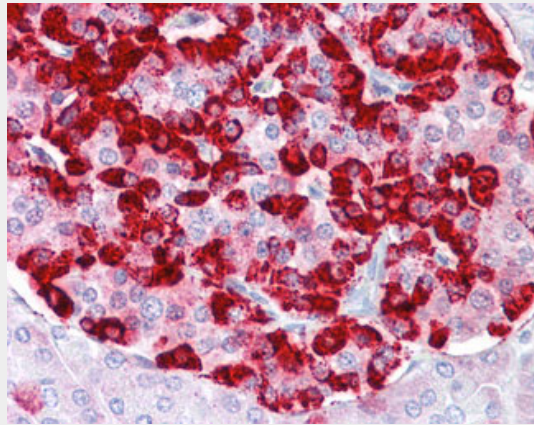
CXXC5 Antibody (N-Terminus) - Images



Immunofluorescence of CXXC5 in Human Brain cells with CXXC5 antibody at 20 μ g/ml.



Western blot analysis of CXXC5 in human brain tissue lysate with CXXC5 antibody at 1 ug/ml.



Anti-CXXC5 antibody IHC of human pancreas.

CXXC5 Antibody (N-Terminus) - Background

May indirectly participate in activation of the NF- kappa-B and MAPK pathways. Acts as a mediator of BMP4-mediated modulation of canonical Wnt signaling activity in neural stem cells (By similarity). Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis.

CXXC5 Antibody (N-Terminus) - References

- Zhang M.,et al.Sci. China, Ser. C, Life Sci. 52:528-538(2009).
- Matsuda A.,et al.Oncogene 22:3307-3318(2003).
- Ota T.,et al.Nat. Genet. 36:40-45(2004).
- Zhou J.,et al.Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
- Schmutz J.,et al.Nature 431:268-274(2004).